

# GlassBrowserAI Runbook

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## 1. Setup and Configuration

- Install dependencies: `npm install`
- Set OpenAI key (Settings or `.env.local`)
- TradeLocker: configure email/server + connect; verify `accNum` and `accountId`
- Optional: run MT5 bridge (`backend/mt5_bridge/app.py`)

## 2. Common Operations

- Open Chat and set Session Bias
- Set Symbol Scope for multi-panel alignment
- Start Backtester/Optimizer from Chat or Backtester panel
- Create watchers from optimizer winners
- Toggle AutoPilot execution mode (live/paper/shadow)

## 3. Troubleshooting

- Use Settings → Live Error Log for real-time errors
- TradeLocker 400/405: check `accNum` header and correct endpoint
- Stream disconnected: verify `developer-api-key` and token refresh
- Native chart blank: check chart data availability, snapshot capture
- LLM image errors: ensure vision model is GPT-5.x

## 4. Logs and Files

- TradeLocker debug logs in `userData`: `tradelocker-order-debug.jsonl`, `tradelocker-stream.log`
- Ledger DB: `trade-ledger.sqlite` (fallback `trade-ledger.json`)
- Installer outputs: `release/GlassBrowser AI Setup .exe`

## 5. Build and Release

- `npm run electron:pack` (unpacked)
- `npm run electron:dist` (installer)
- Version bump via `npm version --no-git-tag-version`